

# Statistical survey on construction costs for new residential buildings

P\_T.GRAD\_Q\_EN\_2024\_4

## Reference Metadata in SIMS 2.0 structure

<b>S.1</b>	<b>Contact</b>
<b>S.1.1</b>	<b>Contact organisation</b>
State Statistical Office	
<b>S.1.2</b>	<b>Contact organisation unit</b>
Department for prices	
<b>S.1.3</b>	<b>Contact name</b>
Elizabeta Trajkovska	
<b>S.1.4</b>	<b>Contact person function</b>
Advisor	
<b>S.1.5</b>	<b>Contact mail address</b>
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<b>S.1.6</b>	<b>Contact email address</b>
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<b>S.1.7</b>	<b>Contact phone number</b>
00389 2 3295 860	
<b>S.1.8</b>	<b>Contact fax number</b>
00389 2 3111 336	
<b>S.2</b>	<b>Metadata update</b>
<b>S.2.1</b>	<b>Metadata last certified</b>
30/05/2025	
<b>S.2.2</b>	<b>Metadata last posted</b>
30/05/2025	
<b>S.2.3</b>	<b>Metadata last update</b>

30/05/2025	
<b>S.3</b>	<b>Statistical presentation</b>
<b>S.3.1</b>	<b>Data description</b>
Construction cost index for new residential buildings; Material cost index; Labour cost index.	
<b>S.3.2</b>	<b>Classification system</b>
National Classification of Activities - NKD Rev.2, National Nomenclature of Industrial Products (NNIP), Nomenclature of type of constructions and construction works.	
<b>S.3.3</b>	<b>Sector coverage</b>
Section F - Construction, Division 41 - Construction of new residential buildings	
<b>S.3.4</b>	<b>Statistical concepts and definitions</b>
The Construction cost index for new residential buildings is calculated as a weighted average of the construction material costs index and the labour cost index.	
<b>S.3.5</b>	<b>Statistical unit</b>
Secondary survey. Statistical units are defined with primary surveys.	
<b>S.3.6</b>	<b>Statistical population</b>
Secondary survey. Statistical population is defined with primary surveys.	
<b>S.3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>S.3.8</b>	<b>Time coverage</b>
Since January 2005.	
<b>S.3.9</b>	<b>Base period</b>
2021 = 100.	
<b>S.4</b>	<b>Unit of measure</b>
Indices.	
<b>S.5</b>	<b>Reference period</b>
Month.	
<b>S.6</b>	<b>Institutional mandate</b>
<b>S.6.1</b>	<b>Legal acts and other agreements</b>
<p>National:</p> <p>Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20) ( <a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a> )</p>	

Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of NorthMacedonia" No. 29/23 and 57/25) ( <https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/> )

International:

Council Regulation 1165/98

COMMISSION REGULATION (EC) No 1503/2006 of 28 September 2006 implementing and amending Council Regulation (EC) No 1165/98

Regulation (EU) 2019/2152 on European business statistics, and it's implementing

Regulation 2020/1197 laying down technical specifications.

Eurostat Methodology of short-term business statistics, 2006.

## **S.6.2 Data sharing**

Indices are sent (via eDAMIS) to Eurostat.

## **S.7 Confidentiality**

### **S.7.1 Confidentiality - policy**

1. The protection of individual data is regulated by the Law on State Statistics ( <https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/> ).

2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality ( <https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/> ).

### **S.7.2 Confidentiality - data treatment**

Pursuant to Article 38 of the Law on State Statistics ( <https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/> ) and the Policy on Statistical Confidentiality ( <https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/> ), individual data are not published. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.

## **S.8 Release policy**

### **S.8.1 Release calendar**

The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.

### **S.8.2 Release calendar access**

<https://www.stat.mk/en/publishing-calendar/#/>

### **S.8.3 User access**

All users have equal access to statistics at the same time: this means that the publication dates are announced in advance and no user has access to official statistics before they are published.

Statistical data are first published in the "News Releases" edition on the website of the State Statistical Office at 12:00.	
<b>S.9</b>	<b>Frequency of dissemination</b>
Monthly and quarterly.	
<b>S.10</b>	<b>Accessibility and clarity</b>
<b>S.10.1</b>	<b>News release</b>
<p>News Releases are published and they are available on the website of the SSO in the section: "News Releases" ( <a href="https://www.stat.mk/en/all-new-releases">https://www.stat.mk/en/all-new-releases</a> )</p> <p>Release ""Industrial producer price indices, total" ( <a href="https://www.stat.mk/en/stat/economy-and-finance/prices/">https://www.stat.mk/en/stat/economy-and-finance/prices/</a> )</p>	
<b>S.10.2</b>	<b>Publications</b>
<p>Publications:</p> <p>Monthly statistical bulletin  <a href="https://www.stat.mk/en/all-publications/monthly-statistical-bulletin/monthly-statistical-bulletin-05-2025/">https://www.stat.mk/en/all-publications/monthly-statistical-bulletin/monthly-statistical-bulletin-05-2025/</a>  Statistical Yearbook  <a href="https://www.stat.mk/en/all-publications/statistical-yearbook-2024/statistical-yearbook-2024/">https://www.stat.mk/en/all-publications/statistical-yearbook-2024/statistical-yearbook-2024/</a></p>	
<b>S.10.3</b>	<b>On-line database</b>
<p>MAKStat-database - Prices.  <a href="https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/">https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/</a></p>	
<b>S.10.3.1</b>	<b>AC1. Data tables - consultations</b>
<p>Number of reviews 2021=100:</p> <p>monthly 1411; quarterly 15; annual 25</p>	
<b>S.10.4</b>	<b>Micro-data access</b>
<p>The use of microdata by external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office "Access to anonymised microdata for scientific research purposes" ( <a href="https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/">https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/</a> ).</p>	
<b>S.10.5</b>	<b>Other</b>
<p>At the request of users, data are also prepared in a form according to their needs. Survey data are sent to Eurostat and they are released on the web site of this institution.</p>	
<b>S.10.5.1</b>	<b>AC 2. Metadata - consultations</b>

<b>S.10.6</b>	<b>Documentation on methodology</b>
<p>The methodological explanations are released on the State Statistical Office  <a href="https://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=101&amp;rbrObl=15">https://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=101&amp;rbrObl=15</a></p> <p>Methodology of short-term business statistics by Eurostat  <a href="https://circabc.europa.eu/sd/a/fd45995c-7bfd-4db0-986e-14ac23072343/Methodological%20manual%202006%20KS-BG-06-001-EN.pdf">https://circabc.europa.eu/sd/a/fd45995c-7bfd-4db0-986e-14ac23072343/Methodological%20manual%202006%20KS-BG-06-001-EN.pdf</a></p>	
<b>S.10.6.1</b>	<b>AC 3. Metadata completeness - rate</b>
<b>S.10.7</b>	<b>Quality documentation</b>
<a href="https://www.stat.gov.mk/Esmslzvestai_en.aspx">https://www.stat.gov.mk/Esmslzvestai_en.aspx</a>	
<b>S.11</b>	<b>Quality management</b>
<b>S.11.1</b>	<b>Quality assurance</b>
<p>The quality of the processes and products in the State Statistical Office is ensured by adhering to the European Statistics Code of Practice ( <a href="https://www.stat.mk/en/about-us/quality/code-of-practice/">https://www.stat.mk/en/about-us/quality/code-of-practice/</a> ) and the Quality Assurance Framework within the European Statistical System (ESS Quality Assurance Framework – <a href="https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V2.0-final.pdf">https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V2.0-final.pdf</a> ). The quality criteria are also determined in the Law on State Statistics in Article 4b and Article 4c (<a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a>).</p>	
<b>S.11.2</b>	<b>Quality assessment</b>
<p>The State Statistical Office carries out statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM). The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.</p>	
<b>S.12</b>	<b>Relevance</b>
<b>S.12.1</b>	<b>User needs</b>
<p>The Construction cost indices for new residential buildings are intended for reviewing or monitoring the costs incurred by construction companies during the execution of the process of building new residential buildings.</p> <p>The indices are also used as an input for calculations in national accounts and in construction statistics.</p> <p>Construction companies also use Construction cost indices when they refer to the movements of costs in drafting construction contracts.</p>	
<b>S.12.2</b>	<b>User satisfaction</b>
<p>Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.</p>	
<b>S.12.3</b>	<b>Completeness and R1. Data completeness - rate for U</b>

According to the regulations given in concept 6.1, the State Statistical Office provides all required data.	
<b>S.12.3.1</b>	<b>R1. Data completeness - rate for P</b>
Not calculated.	
<b>S.13</b>	<b>Accuracy and reliability</b>
<b>S.13.1</b>	<b>Overall accuracy</b>
Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.	
<b>S.13.2</b>	<b>Sampling error and A1. Sampling errors - indicators for U</b>
Secondary survey. Determined by sampling errors in primary surveys.	
<b>S.13.2.1</b>	<b>A1. Sampling errors - indicators for P</b>
Not applicable.	
<b>S.13.3</b>	<b>Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U</b>
Secondary survey. Determined by non-sampling errors in primary surveys.	
<b>S.13.3.1</b>	<b>Coverage error</b>
Not applicable.	
<b>S.13.3.1.1</b>	<b>A2. Over-coverage - rate</b>
Not applicable.	
<b>S.13.3.1.2</b>	<b>A3. Common units - proportion</b>
Not applicable.	
<b>S.13.3.2</b>	<b>Measurement error</b>
Not applicable.	
<b>S.13.3.3</b>	<b>Non response error</b>
Not applicable.	
<b>S.13.3.3.1</b>	<b>A4. Unit non-response - rate</b>
Not applicable.	
<b>S.13.3.3.2</b>	<b>A5. Item non-response - rate</b>
Not applicable.	
<b>S.13.3.4</b>	<b>Processing error</b>
Not applicable.	
<b>S.13.3.5</b>	<b>Model assumption error</b>
Not applicable.	

<b>S.14</b>	<b>Timeliness and punctuality</b>
<b>S.14.1</b>	<b>Timeliness and TP2. Time lag - final results for U</b>
Construction cost index for new residential buildings are published no later than 65 days (T+65) after the end of the reference period as definitive data.	
<b>S.14.1.1</b>	<b>TP1. Time lag - first results for P</b>
Not applicable.	
<b>S.14.1.2</b>	<b>TP2. Time lag - final results for P</b>
Not applicable.	
<b>S.14.2</b>	<b>Punctuality and TP3. Punctuality - delivery and publication for U</b>
Data are disseminated within the established deadlines in accordance with the Release Calendar.	
<b>S.14.2.1</b>	<b>TP3. Punctuality - delivery and publication for P</b>
Not applicable.	
<b>S.15</b>	<b>Coherence and comparability</b>
<b>S.15.1</b>	<b>Comparability - geographical</b>
There is geographical comparability of disseminated data at national and regional levels. Comparability is ensured at the international level.	
<b>S.15.1.1</b>	<b>CC1.Asymmetry for mirror flow statistics - coefficient</b>
Not applicable.	
<b>S.15.2</b>	<b>Comparability - over time and CC2. Length of comparable time series for U</b>
Time series from 2005 according to NKD Rev.2 (2021=100) and time series comparability is ensured.	
<b>S.15.2.1</b>	<b>CC2. Length of comparable time series for P</b>
CC2. - The number of reference periods in the time series is 80.	
<b>S.15.3</b>	<b>Coherence - cross domain</b>
The coherence with primwry surveys assured.	
<b>S.15.3.1</b>	<b>Coherence - sub annual and annual statistics</b>
Coherence is fully ensured by primary survey.	
<b>S.15.3.2</b>	<b>Coherence - National Accounts</b>
Coherence is fully ensured by primary survey.	
<b>S.15.4</b>	<b>Coherence - internal</b>
The internal coherence assured.	
<b>S.16</b>	<b>Cost and burden</b>

It is not calculated.	
<b>S.17</b>	<b>Data revision</b>
<b>S.17.1</b>	<b>Data revision - policy</b>
Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: ( <a href="https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/">https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/</a> ).	
<b>S.17.2</b>	<b>Data revision - practice and A6. Data revision - average size for U</b>
The revision of data is done with changing of base year (every five years) and with changes in the classifications.	
<b>S.17.2.1</b>	<b>A6. Data revision - average size for P</b>
It is not applicable.	
<b>S.18</b>	<b>Statistical processing</b>
<b>S.18.1</b>	<b>Source data</b>
<p>"Data sources are the surveys "Monthly report on industrial producer prices on the domestic market" (C.DOMA) and ""Monthly survey on employees and wages"" (TRUD.1).</p> <p>From the survey C.DOMA are undertaken data on individual producer price indices on the domestic market, which are used in construction (92 products) and belong to classes: 08.11;08.12; 16.10; 16.23; 20.16; 20.30; 20.52; 20.59; 22.21; 23.12; 23.20; 23.32; 23.51; 23.61; 23.62;23.63; 23.64; 23.69; 23.70; 24.20; 24.34; 25.11; 25.93; 27.32.</p> <p>From the survey TRUD 1 are undertaken data on average paid gross-wages per employee in the sector F - Construction, Section 41 - Construction of buildings NKD Rev. 2.</p>	
<b>S.18.2</b>	<b>Frequency of data collection</b>
Monthly.	
<b>S.18.3</b>	<b>Data collection</b>
Secondary survey, data collection is through the primary surveys.	
<b>S.18.4</b>	<b>Data validation</b>
Secondary survey, data are checked in the primary surveys.	
<b>S.18.5</b>	<b>Data compilation</b>
Imputation are phases that are implemented in the primary surveys.	
<b>S.18.5.1</b>	<b>A7. Imputation - rate</b>
Secondary survey, is not calculated	
<b>S.18.6</b>	<b>Adjustment</b>
No data adjustment is made.	
<b>S.18.6.1</b>	<b>Seasonal adjustment</b>
Not applicable.	



S.19	Comment
No comment	
A.1	Annexes

